

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A method for producing polyorganosiloxane particles, which comprises the step

(A) of hydrolyzing and condensing a silicon compound of the general formula (I),



wherein R<sup>1</sup>, which is a non-hydrolyzable group, is an alkyl group having 1 to 20 carbon atoms, an alkyl group having 1 to 20 carbon atoms and having a (meth)acryloyloxy group or epoxy group, an alkenyl group having 2 to 20 carbon atoms, an aryl group having 6 to 20 carbon atoms or an aralkyl group having 7 to 20 carbon atoms, R<sup>2</sup> is an alkyl group having 1 to 6 carbon atoms and n is an integer of 1 to 3, provided that when a plurality of R<sup>1</sup>'s are present, each of R<sup>1</sup>'s may be identical to, or different from, other or every other one, and that when a plurality of OR<sup>2</sup> are present, each of OR<sup>2</sup>'s may be identical to, or different from, other or every other one, in the presence of a catalyst, to form seed particles of polyorganosiloxane particles and thereby obtaining a seed-particles-containing solution, and the step

(B) of mixing said seed-particles-containing solution with a particle-diameter-growing aqueous solution containing a silicon compound of said general formula (I) or a hydrolyzate thereof, to grow said seed particles,

the method comprising the step (A) of obtaining the seed-particles-containing solution in which, when said silicon compound is dissolved in an aqueous medium, 0.7 to 6.5 mass ppm of a basic catalyst is added to said aqueous medium to cause the silicon compound to undergo preliminary hydrolysis and condensation, and a basic catalyst is added thereto in an amount

necessary for forming the seed particles formed of polyorganosiloxane, to form said seed particles.

2. (Original) The method of claim 1, wherein the basic catalyst is ammonia.
3. (Previously Presented) The method of claim 1, wherein the silicon compound of the general formula (I) is methyltrimethoxysilane or vinyltrimethoxysilane.
4. (Previously Presented) The method of claim 1, wherein the polyorganosiloxane particles produced have an average particle diameter of over 10  $\mu\text{m}$  and have a particle size distribution whose coefficient of variation (CV value) is 5 % or less.

5. (Currently Amended) A method for producing polyorganosiloxane particles, which comprises

the step (A) of hydrolyzing and condensing a silicon compound of the general formula (I),



wherein  $\text{R}^1$ , which is a non-hydrolyzable group, is an alkyl group having 1 to 20 carbon atoms, an alkyl group having 1 to 20 carbon atoms and having a (meth)acryloyloxy group or epoxy group, an alkenyl group having 2 to 20 carbon atoms, an aryl group having 6 to 20 carbon atoms or an aralkyl group having 7 to 20 carbon atoms,  $\text{R}^2$  is an alkyl group having 1 to 6 carbon atoms and  $n$  is an integer of 1 to 3, provided that when a plurality of  $\text{R}^1$ 's are present, each of  $\text{R}^1$ 's may be identical to, or different from, other or every other one, and that when a plurality of  $\text{OR}^2$  are present, each of  $\text{OR}^2$ 's may be identical to, or different from, other or every other one,

in the presence of a catalyst, to form seed particles of polyorganosiloxane particles and thereby obtaining a seed-particles-containing solution, and

the step (B) of mixing said seed-particles-containing solution with a particle-diameter-growing aqueous solution containing a silicon compound of said general formula (I) or a hydrolyzate thereof, to grow said seed particles,

~~wherein in the method comprising the step (B) of growing the seed particles, in which the seed particles are measured for diameters continuously or at intervals of a constant time period in which part of a reaction solution is sampled and brought into contact with a protective-colloid-forming agent to form a protective colloid on the particles in the reaction solution, and then the measurement is made measured by a Coulter method and the reaction is terminated when an intended particle diameter is reached.~~

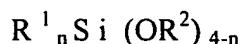
6. (Canceled).

7. (Previously Presented) The method of claim 5, wherein the polyorganosiloxane particles are polymethylsilsesquioxane particles.

8. (Previously Presented) The method of claim 5, wherein the particle-diameter-growing aqueous solution containing the silicon compound or a hydrolyzate thereof is added at a rate of 0.01 ml/minute or less per milliliter of volume of the seed-particles-containing solution, for obtaining the polyorganosiloxane particles having a diameter of over 10  $\mu\text{m}$ .

9. (Previously Presented) The method of claim 5, wherein the polyorganosiloxane particles finally obtained have a particle diameter of 1 to 30  $\mu\text{m}$  and a coefficient of variation of 3 % or less.

10. (Original) A method for producing polyorganosiloxane particles, which comprises the step (A) of hydrolyzing and condensing a silicon compound of the general formula (I),



...(I)

wherein R<sup>1</sup>, which is a non-hydrolyzable group, is an alkyl group having 1 to 20 carbon atoms, an alkyl group having 1 to 20 carbon atoms and having a (meth)acryloyloxy group or epoxy group, an alkenyl group having 2 to 20 carbon atoms, an aryl group having 6 to 20 carbon atoms or an aralkyl group having 7 to 20 carbon atoms, R<sup>2</sup> is an alkyl group having 1 to 6 carbon atoms and n is an integer of 1 to 3, provided that when a plurality of R<sup>1</sup>'s are present, each of R<sup>1</sup>'s may be identical to, or different from, other or every other one, and that when a plurality of OR<sup>2</sup> are present, each of OR<sup>2</sup>'s may be identical to, or different from, other or every other one, in the presence of a catalyst, to form seed particles of polyorganosiloxane particles and thereby obtaining a seed-particles-containing solution, and the step (B) of mixing said seed-particles-containing solution with a particle-diameter-growing aqueous solution containing a silicon compound of said general formula (I) or a hydrolyzate thereof, to grow said seed particles, the method comprising the step (B) of growing the seed particles, in which an anionic surfactant is added to the seed-particles-containing solution to grow the seed particles, the anionic surfactant having a concentration that satisfies the relational expression (II),

$$Y = \alpha \times (a \times X) / (A \times R) \quad \dots \text{(II)}$$

wherein a is a theoretical value obtained by dividing a molecular weight of a product that is a hydrolysis and condensation product of the silicon compound with a molecular weight of the silicon compound,

Y is a concentration (mass %) of the anionic surfactant in the particle-diameter-growing aqueous solution,

X is a mass (g) of the raw material to be used for synthesis of the seed particles,

A is a total mass (g) of the solutions for use in the step (B) of growing seed particles,

R is an average particle diameter ( $\mu\text{m}$ ) of the seed particles, and

$\alpha$  is a coefficient in the range of  $4.0 < \alpha \leq 75$ .

11. (Original) The method of claim 10, wherein the anionic surfactant has an HLB value of 15 to 40.

12. (Original) The method of claim 11, wherein the anionic surfactant is a higher alcohol sulfuric ester salt.

13. (Original) The method of claim 12, wherein the higher alcohol sulfuric ester salt is sodium dodecyl sulfate.

14. (Previously Presented) The method of claim 10, wherein, in the step (A) of forming seed particles, a separately prepared solution containing polyorganosiloxane particles is added to a reaction system containing the silicon compound, and the silicon compound is caused to undergo hydrolysis and condensation in the presence of the polyorganosiloxane particles, to form the seed particles.

15. (Previously Presented) The method of claim 10, wherein the polyorganosiloxane particles have an average particle diameter of over 10  $\mu\text{m}$ .

16. (Currently Amended) A method for producing silica particles, which comprises preliminarily calcining the polyorganosiloxane particles obtained by the method recited in claim 1 at a temperature that is ~~higher than the temperature which is lower than a decomposition temperature of the organic groups contained in the polyorganosiloxane particles by 150 centigrade degrees and that is less than the decomposition temperature of the organic group,~~ and then calcining the polyorganosiloxane particles at or about the decomposition temperature of the organic group or higher groups of the polyorganosiloxane particles.